

Abstract of the Disclosure

A gain controlled voltage controlled oscillator. A current controlled oscillator is adapted to provide an output signal oscillating at a frequency controllable by controlling a current applied thereto. A first current source provides a first control current controllable by controlling a voltage applied thereto that has a predetermined range. A first current mirror is adapted to mirror the control current to the current controlled oscillator. A second current source is adapted to provide a second control current for mirroring to the current controlled oscillator by the first current mirror when the control voltage is in a low portion of the range.